mi Security

Oplink Security

Software

User Manual

Oplink Communications, Inc.

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Note:
Some information in this manual may not pertain to certain packages. Also, screenshots within are from the iOS version of our App. If you are using an Android or Windows Phone version of our App, there might be slight differences in the interface.

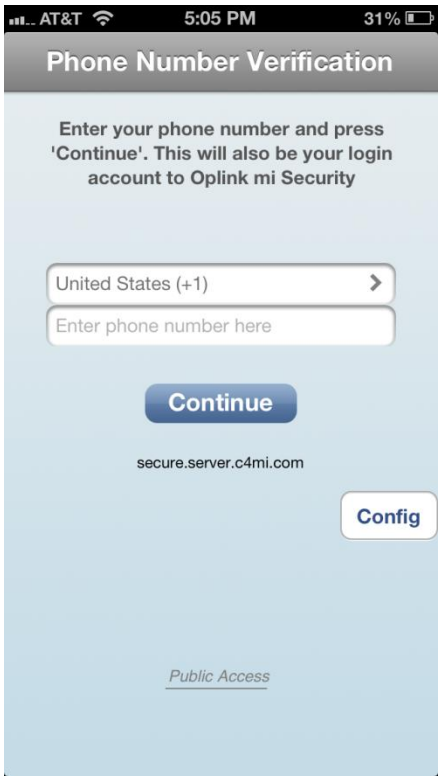
Getting Started 1

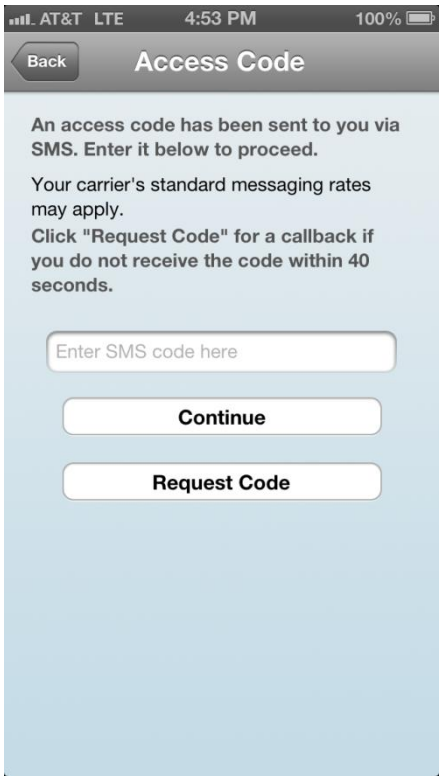
a.) Set Up Account Using Your Smartphone

1) Download Oplink mi Security App from iPhone's App Store, Android's Google Play Store, or Windows' Marketplace.
2) Click on OPLINK icon and go through the Phone Number Verification process (see below).

b.) Phone Number Verification And Set New Password

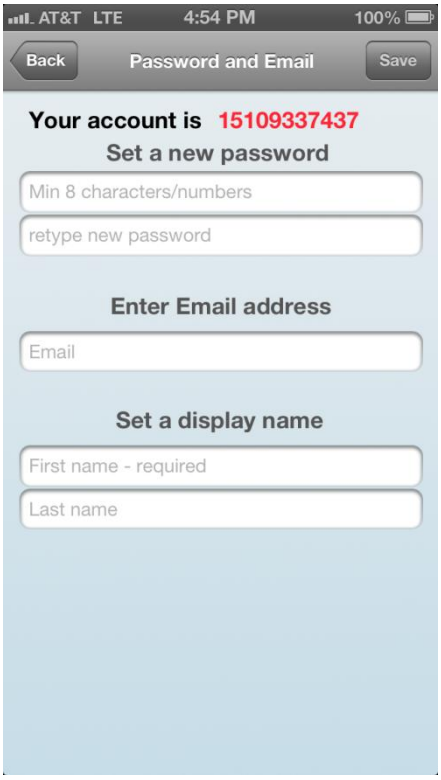
1) At the Phone Number Verification page, input your phone number and tap on the "Continue" button. The server will send a verification code to the cell phone via SMS. Check for the verification code and enter it into the field provided.





2) If you do not receive the SMS, you can use the “Request code” button. Tap on the “Request code” button to receive a call back on your phone. A code will be read to you over the phone. Once the call ends, enter the code into the field provided.

3) You will be asked to set a password for your account. Once you fill out all the requested information, please tap on the “Save” button. After you sign in with the new password, your phone verification will have been completed.



Main Menu 2

The main menu displays four options: Video, VideoGram, Control, and Armed/Disarmed.

Video --- directs the user to the viewing options of their camera(s).

VideoGram --- shows a list of triggered events.

Control --- gives the user the option to change the properties of their account or devices.

Armed/Disarmed --- gives the user the option to arm or disarm the home security system. The color of the tile will indicate the status of the system(s)/OPU(s).

Red color: indicates system(s)/OPU(s) is(are) armed

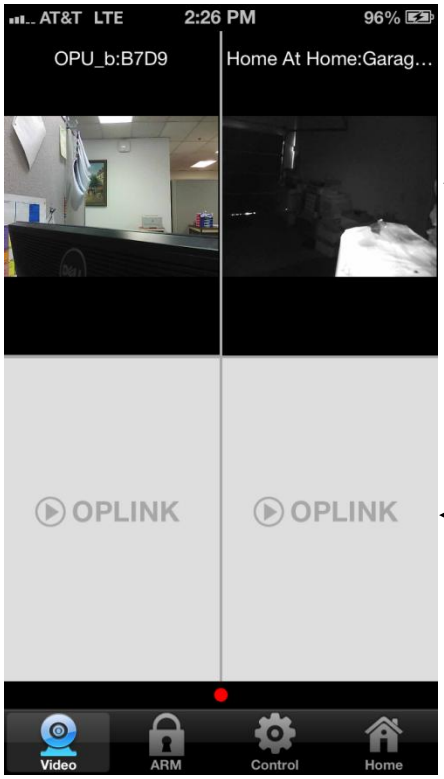
Yellow color: indicates systems/OPUs are not all armed when there are more than one system/OPU; indicates system is in 'Arm in stay mode' when there is only one system/OPU

Grey color: indicates system(s)/OPU(s) is(are) disarmed

Oplink Store --- button in the center of the screen that is a link to the Oplink Website where users can find more of Oplink's offerings and subscribe to services.

Video 3

a.)Multi-Site Viewing

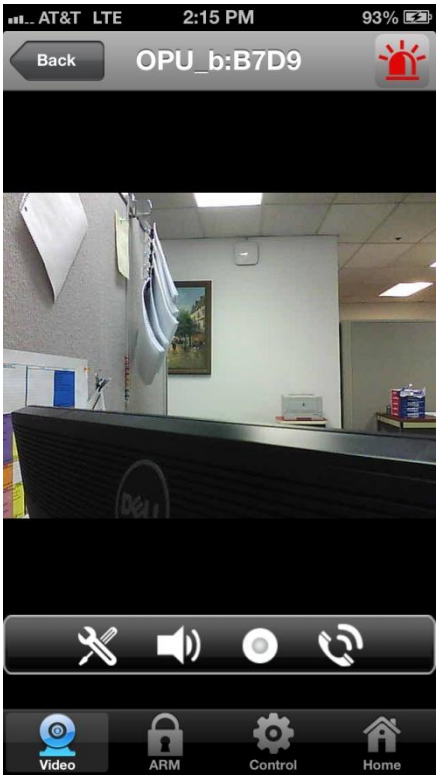


Note:
The IP Camera's Infrared Mode will display objects in black and white (shades of gray)

Note:
Pressing on a blank video tile will bring you to the Oplink Website

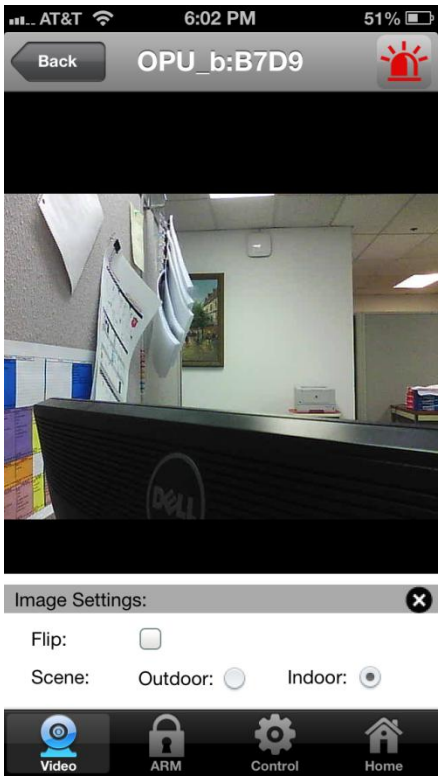
1) The "Video" tile will display a maximum of 4 video frames on the screen for all cameras that you have access. Videos are grouped by location.
2) **1st screen:** Always displays videos of owner's locations first. If owner has more than 1 location, then the videos are sorted in alphabetical order.
3) **2nd screen:** Owner's 2nd location videos. If there is no second location, then the videos will be displayed in alphabetical order.
4) Using an iOS device, in the "Video" tile, you can drag and drop the videos into the order that you prefer. Press and hold the video to be moved. When video is highlighted, drag it to the desired location and release.

b.)Single Video Viewing



1) In the “Video” tile, tap on a video to enlarge it and view in single video mode.
2) Tap on the “Back” button to go back to previous screen.
3) Tap on the “Alarm” icon to trigger an emergency event and set off the siren after you tap on ‘Yes’ at the ‘Do you want to trigger the siren?’ pop-up.
4) Tap on the enlarged video view to hide control panel.
5) Tap it again to display the control panel.
6) Using the control panel, you can change the Image Settings, listen to real-time audio around the camera, record and share a 30 second video clip, or invoke a phone list to make a call.

c.) Change Image Settings



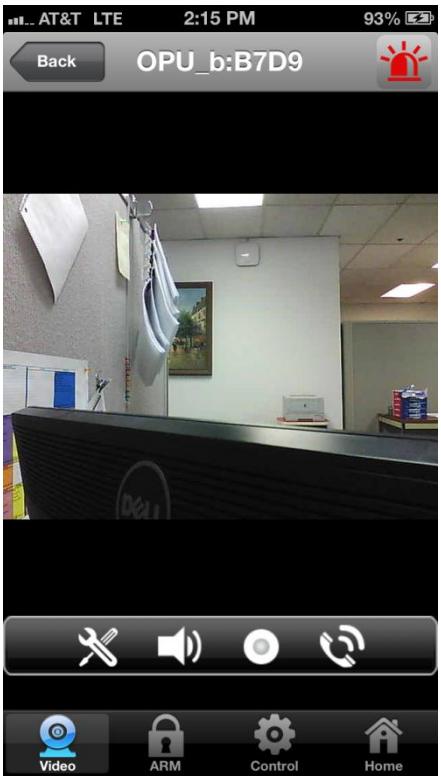
In single video mode, certain features of the camera can be changed.

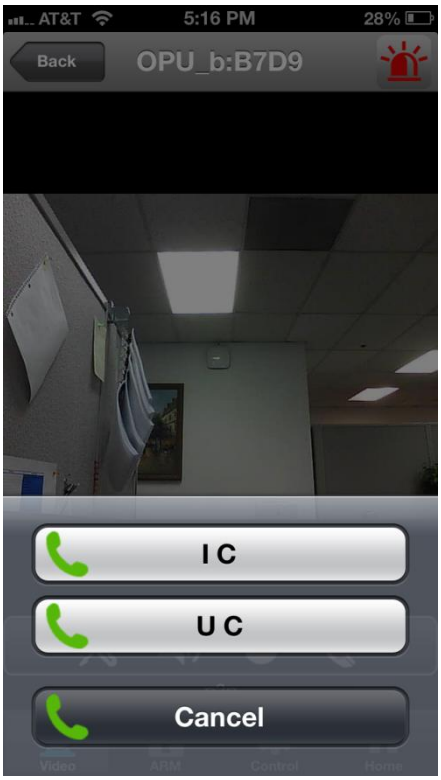
1) Tap the Image Settings button (wrench on top of screwdriver).
2) If the camera is mounted on the ceiling, use the 'Flip' setting to invert the image.
3) The camera can be mounted so that it looks outside a window. To compensate for outdoor lighting, set the 'Scene' to 'Outdoor'.
4) Tap 'x' to save and/or exit Image Settings.

d.)Record/Share Video

1) In single video mode, tap the Record button (a solid dot in a bigger circle). The maximum recording time is 30 seconds. The recording will be saved automatically to the local photo album.
2) “Record” and “Stop” are toggle buttons showing different statuses accordingly.
3) Video stops recording when the recording time reaches 30 seconds. A message will ask the user: “Share video clip?”
4) If “No” is selected, the screen will be redirected to single video mode. The recorded video will be saved to the local photo album.
5) If “Share” is selected, you can select to share via email or Facebook Connect. Both will have a default Security template and the video clip attachment.

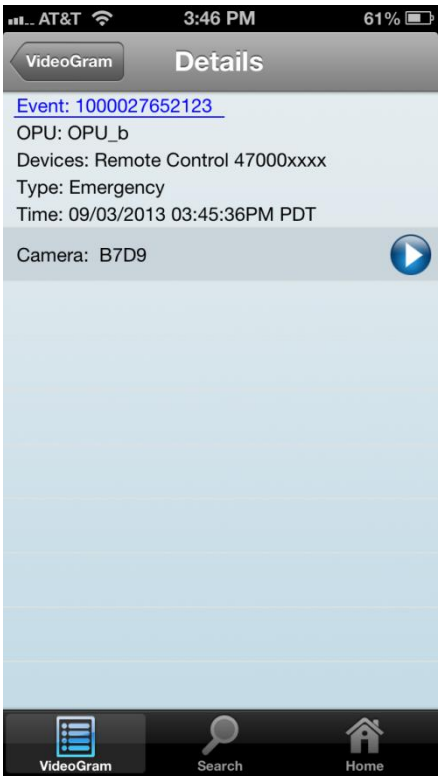
e.)Call An Emergency Contact





1) In single video mode with the control panel displayed, tap on the Call button (phone handset) to invoke the prefixed Emergency Contact list and select an Emergency Contact to call.
2) The Emergency Contact list will contain contacts for each OPU.
3) If there are no Emergency Contacts to call, a ‘No contacts’ pop-up will be displayed.
4) You can set up the Emergency Contact list by going to “Control -> Accounts -> Emergency Contacts”.

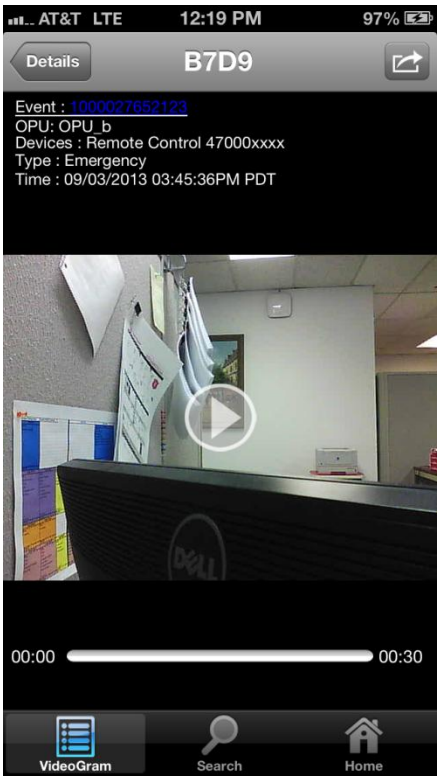
VideoGram 4



a.) Your App will receive a push-notification when an event gets triggered. The App will produce a 5-second audible-notification on the local device. A message will inform owner and authorized/family users of the event: “Emergency: OPU_b at 09/03/2013 03:45:36PM PDT”.

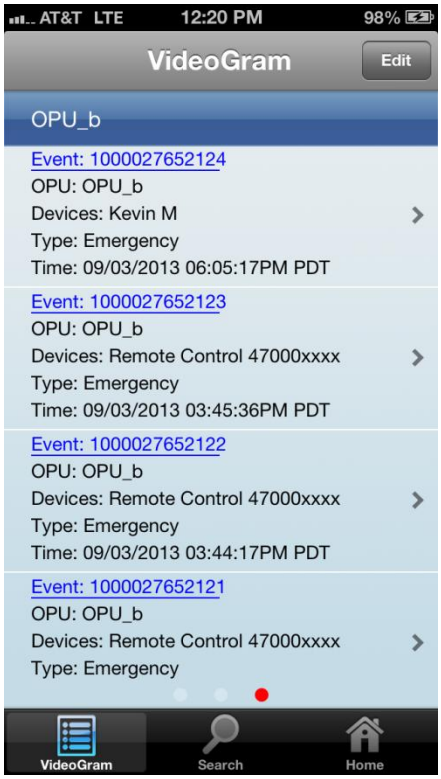
b.) If you acknowledge the push-notification, the App will be launched and you will be directed to the event record under the “VideoGram” tile. Tap on the “>” button next to a camera to view the snapshot and video of the event.

c.) Play the 30-second video clip of the event by pressing the play button in the middle of the screen. The snapshot and video can be saved to the local photo album by pressing the send button in the upper right corner of the screen.

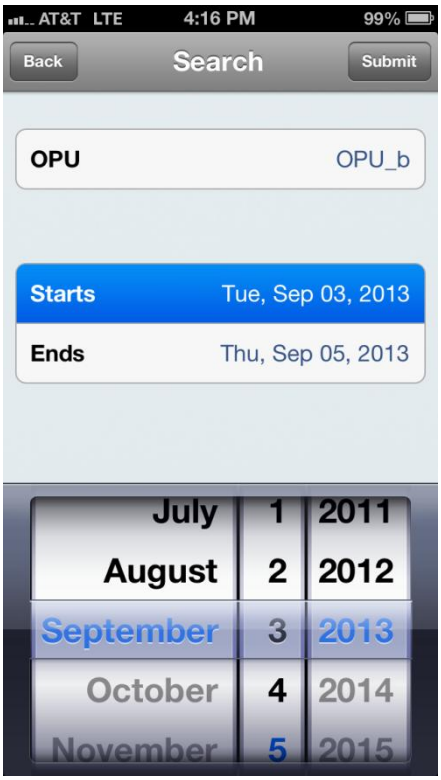


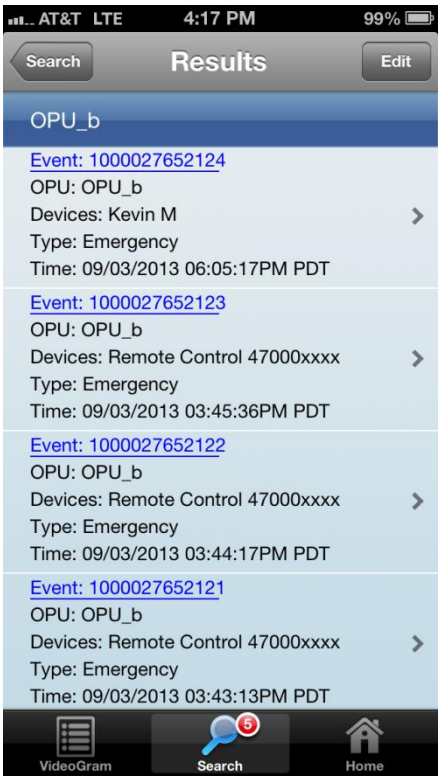
d.) Check historical events under the “VideoGram” tile. Events will be listed by OPU. You can swipe to the next page for the events of another OPU. Events are listed in descending order, from the most current to the oldest.

e.) Only the owner will see the “Edit” button in the upper right corner, and therefore, only the owner can delete events. Authorized/Family Users will not see the “Edit” button.

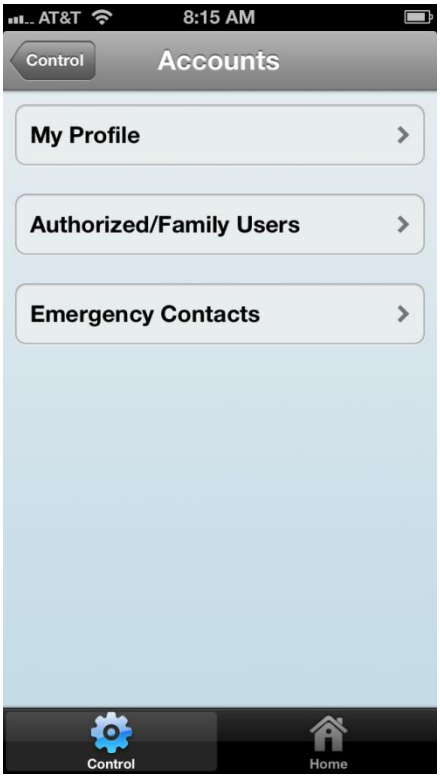


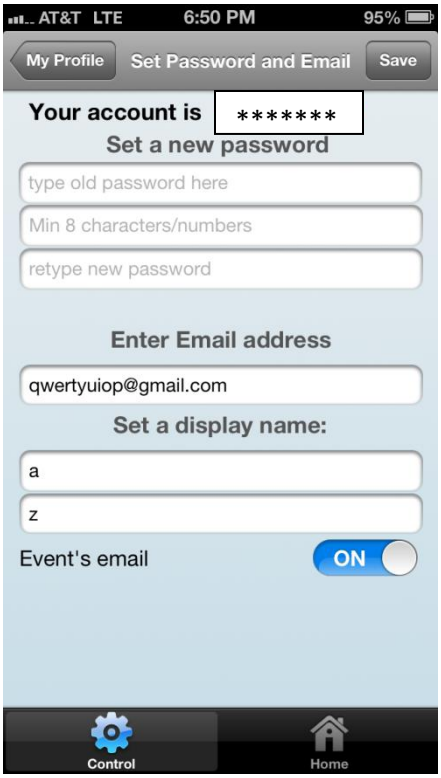
f.) To search for a particular event, tap on the “Search” button. Tap on “OPU” to select the OPU on which you want to perform a search. Select the “Starts” and “Ends” dates of the search and then tap on “Submit” to perform the search. Results of the search will be displayed.





Control 5



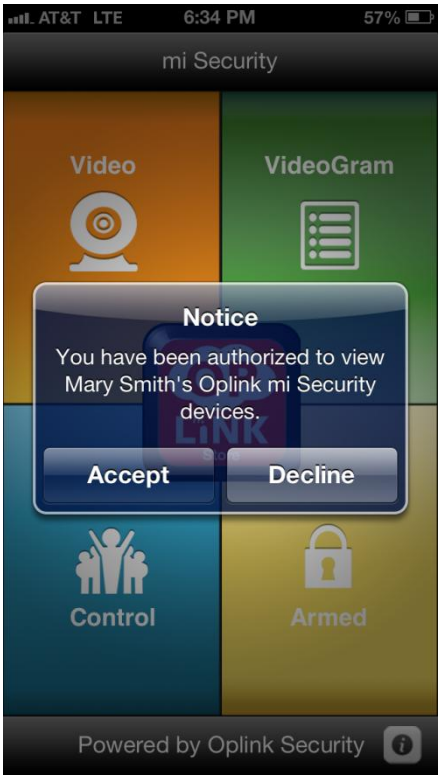


a.) Edit Account Information (Password, Email Address, Display Name)

1) Go to Control -> Accounts -> My Profile.
2) Tap on the “Edit” button.
3) Update the appropriate information.
4) Tap on the “Save” button to confirm changes or “My Profile” to go to previous screen.

b.) Add Authorized/Family User

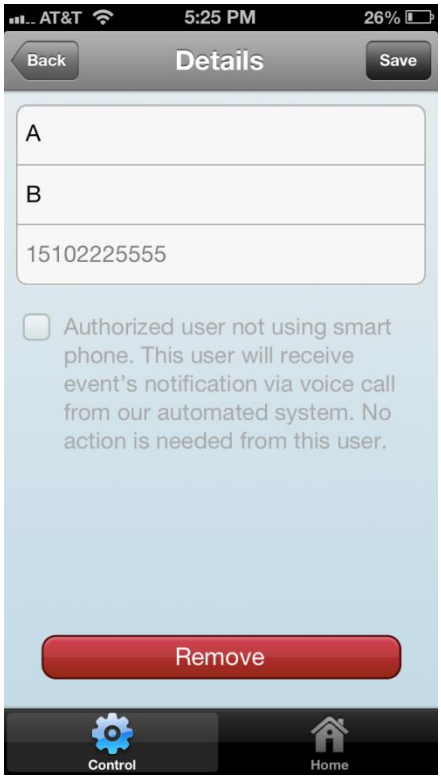
1) Go to Control -> Accounts -> Authorized/Family Users
2) Tap on the “Add” button.
3) Input the first name and last name of the Authorized/Family User, the assigned country code of the phone number, the Authorized/Family User’s phone number, and then, if necessary, select the check-box for feature phone usage. (Owners can add users of feature phones as authorized users. They will receive a phone call when there is an event. Feature phone authorized users will not receive an invitation to accept owner’s authorization. The server will automatically accept for the user. This user does not need to take any actions such as downloading the App and/or phone number verification.)
4) The “Copy from Address Book” button will display your contacts and allow you to choose one to add as an Authorized/Family User.
5) Tap on the “Save” button to confirm addition or “Back” to go to previous screen.
6) To add additional Authorized/Family Users, please repeat the steps.
7) Server will send out a notice to new Authorized/Family Users.



c.) Edit/Delete Authorized/Family User

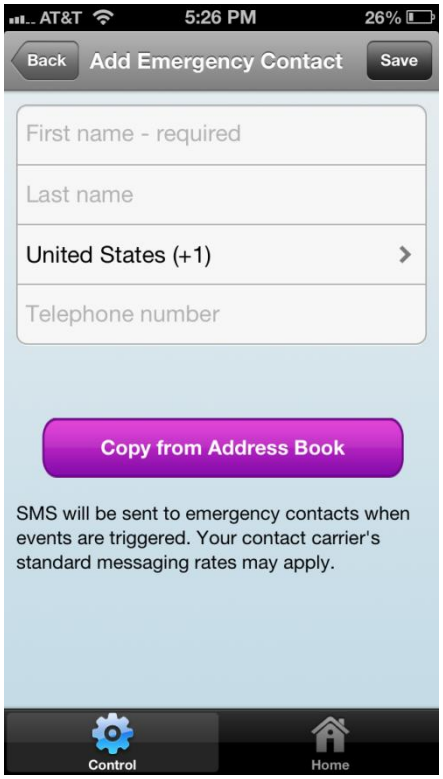
1) Go to Control -> Accounts -> Authorized/Family Users.
2) Tap on the “>” button next to the specific user.
3) You can modify the name of the Authorized/Family User and then tap on the “Save” button to save the changes, or tap on the “Remove” button to remove the Authorized/Family User from the list.
4) Tap on the “Remove” button again to confirm deletion of the user. This will bring the owner back to the previous screen.
5) To delete additional Authorized/Family Users, please repeat the steps.
6) Deleted Authorized/Family User will no longer be able to view the owner’s devices. A notice will be sent to the Authorized/Family User informing him/her of the change.

Note: You can add/delete an Authorized/Family User. Adding an Authorized/Family User is authorizing by location, not by account, i.e. an owner can authorize userA to view only his Home1 devices, but not his Home2 devices.



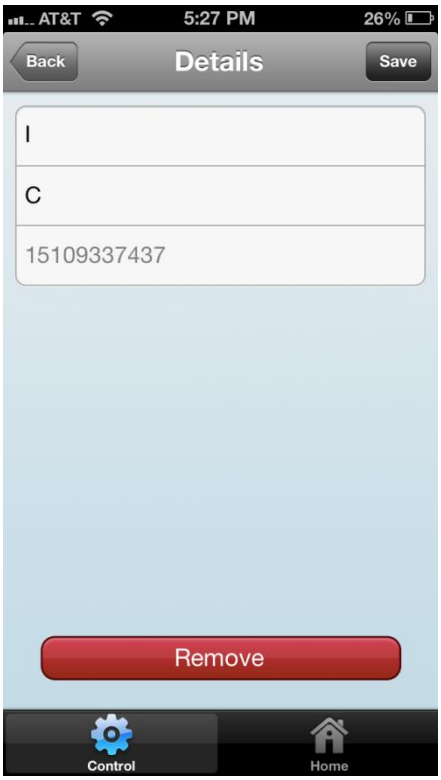
d.) Add Emergency Contact

1) Go to Control -> Accounts -> Emergency Contacts.
2) Tap on the “Add” button.
3) Input the first name and last name of the Emergency Contact, the assigned country code of the phone number, and the Emergency Contact’s phone number.
4) The “Copy from Address Book” button will display your contacts and allow you to choose one to add as an Emergency Contact.
5) Tap on the “Save” button to confirm addition or “Back” to go to previous screen.
6) To add additional Authorized/Family Users, please repeat the steps.



e.) Edit/Delete Emergency Contact

1) Go to Control -> Accounts -> Emergency Contacts.
2) Tap on the “>” button next to the specific user.
3) You can modify the name of the Emergency Contact and then tap on the “Save” button to save the changes, or tap on the “Remove” button to remove the Emergency Contact from the list.
4) Tap on the “Remove” button again to confirm the deletion of the contact. This will bring the owner back to the previous screen.
5) To delete additional Emergency Contacts, please repeat the steps.



f.) Control -> Sign Out

The user can sign out of the App on this screen.

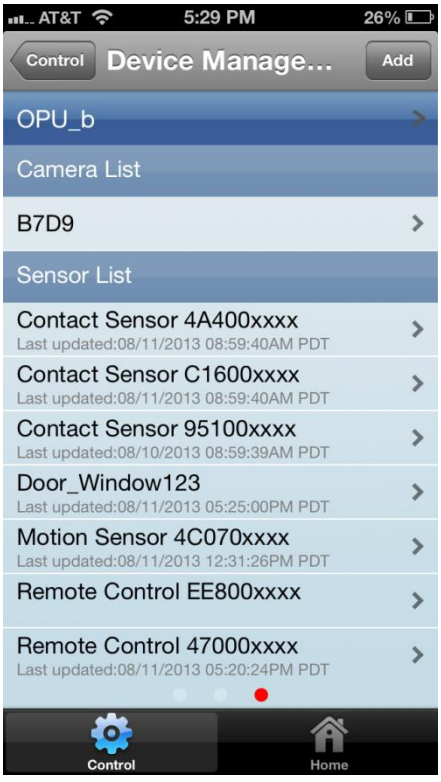
g.) Sign In/Request A New Password

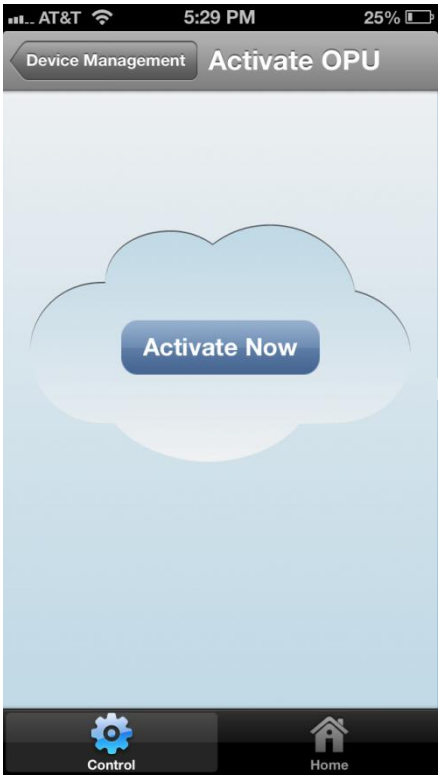
Tap on “Forgot password?”. You will be redirected to a “Forgot your password?” page. Enter the login information (account phone number) in the provided field and press the “Submit” button for a new password. An email will be sent to you along with a new server generated password. You can choose to reset the password after logging in with the server generated password on the web page.

Device Management 6

a.)Activate OPU (Add Location)

1) Go to Control -> Device Management.
2) Tap on the “Add” button next to “Device Management”.
3) Tap on “New OPU”.
4) Tap on the “Activate Now” button to start the new device activation process.





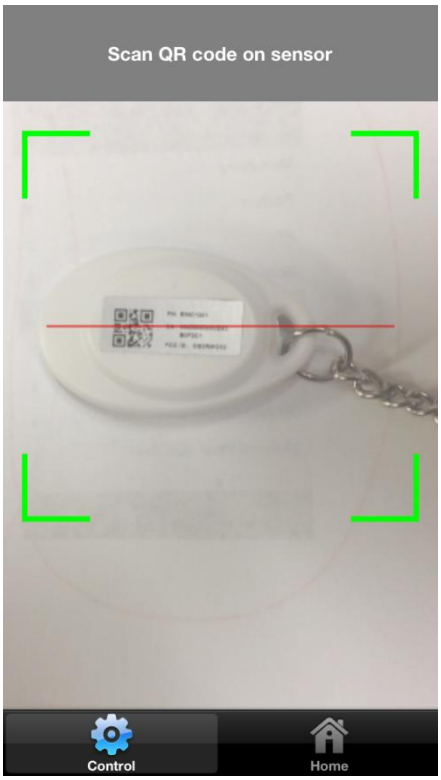
b.)Add A Device (IP Cameras And Sensors)

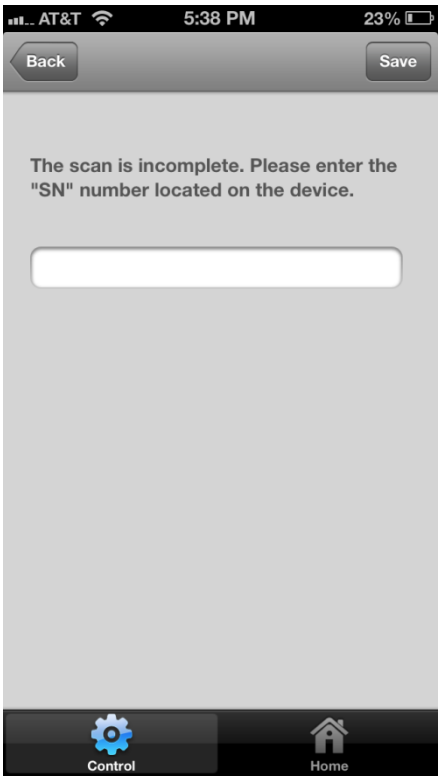
1) Go to Control -> Device Management.

2) Tap on the “Add” button next to “Device Management”.

3) Tap on “New OPU” or “IP Camera” or “Sensor” depending on the device to be added.

4) Scan barcode (QR code) located on the device. (* Note: If the scan is incomplete, you will be asked to enter the serial ID (SN) of the device.)





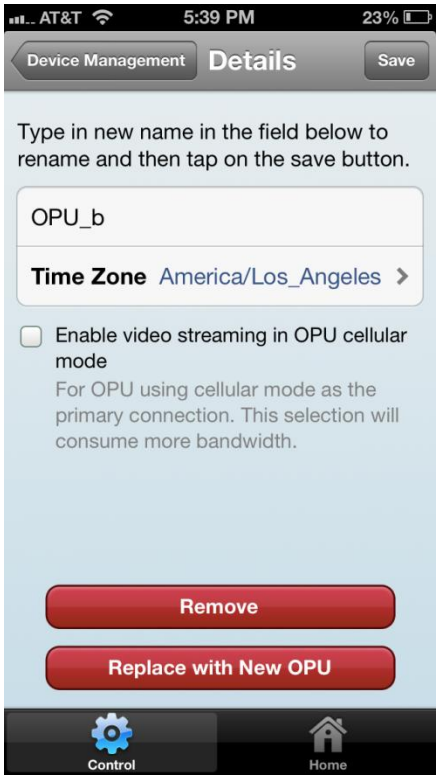
5) After scanning, you can assign a unique name to the device or leave it with the default assigned name. If you decide to assign a unique name to the device, tap on the “Save” button to confirm reassignment.

c.) Remove And Rename OPU And Devices

1) Go to Control -> Device Management.

2) OPU
   a. Tap on the “>” button next to the name of your OPU.
   b. To rename, owner writes over the name of the OPU and then taps on the “Save” button.
   c. To remove, owner taps on the “Remove” button and then taps on “Remove” again to confirm the removal, or taps on the “Cancel” button to cancel the action.

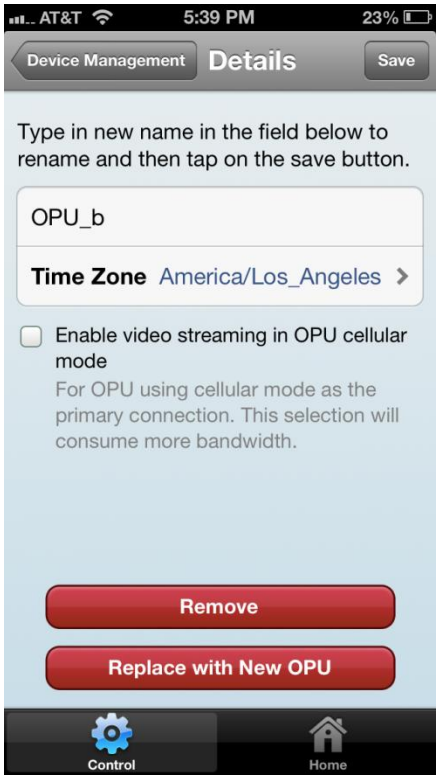
3) SENSORS/IP CAMERAS
   a. Tap on the “>” button next to the item to be edited.
   b. To rename, owner writes over the name of the device and then taps on the “Save” button.
   c. To remove, owner taps on the “Remove” button and then taps on “Remove” again to confirm the removal, or taps on the “Cancel” button to cancel the action.



d.)Replace OPU

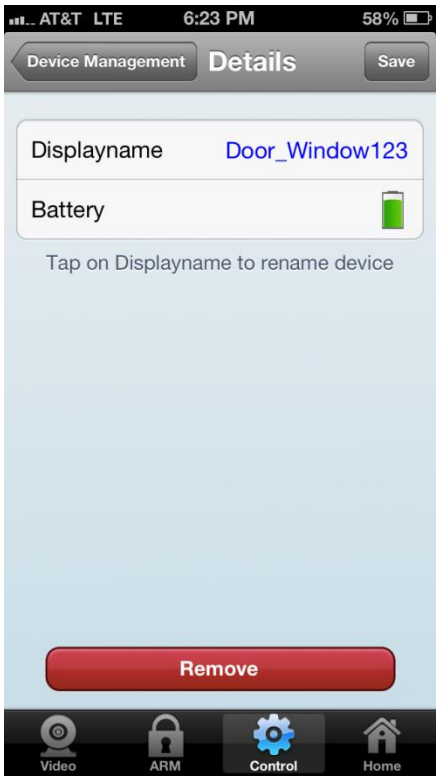
Note: Replacing the OPU retains the associations that were established by the initial OPU with the cameras and sensors.

1) Tap on the “>” button next to your OPU.
2) To replace, owner taps on the “Replace with New OPU” button.
3) Screen will direct you to scan the QR code on the New OPU.
4) Message will inform you of the successful replacement.



e.)Battery Indicator

1) Go to Control -> Device Management.
2) In the Sensor List section, click on a sensor to view its details.
3) If the sensor uses batteries, the status of it will be displayed next to ‘Battery’.
4) The statuses of the batteries can be:
    a. “Battery OK” (represented by an almost fully charged battery)
    b. “Battery low” (represented by an almost empty battery)
    c. “Unknown” (communication between devices was lost)



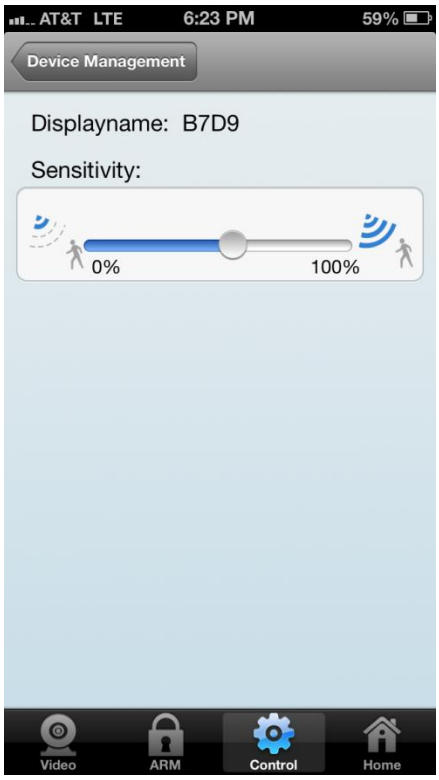
f.) Camera Sensitivity (in regards to the motion detection feature)

The camera will be listed under the Sensor List section so that its motion detection sensitivity can be adjusted. Even though there is only one device, the camera and sensor features are different.

To optimize detection in diverse environments, the motion sensor will allow the user to set a sensitivity threshold. The owner can set the sensitivity threshold from 100% (most sensitive) to 0% (least sensitive). By default, the threshold is set to 0%.

Since this is one device, there will be no 'Remove' button in the Sensor List details. The owner needs to remove the device in the Camera List details.

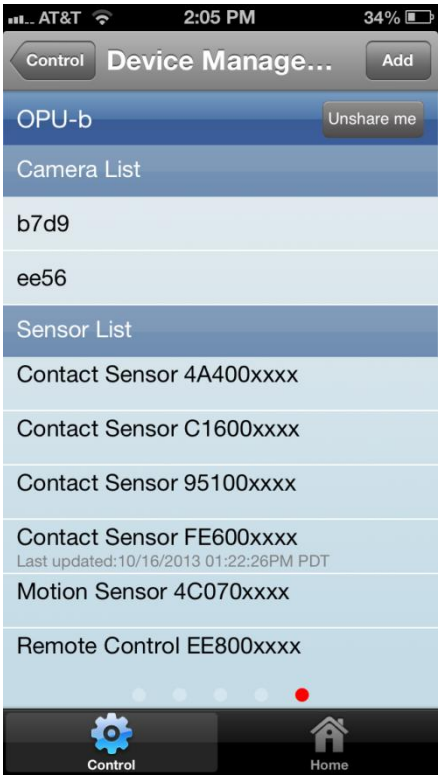
1) Go to Control -> Device Management.
2) In the Sensor List section, click on a camera to view its details.
3) Motion Detection Sensitivity is displayed and can be adjusted.

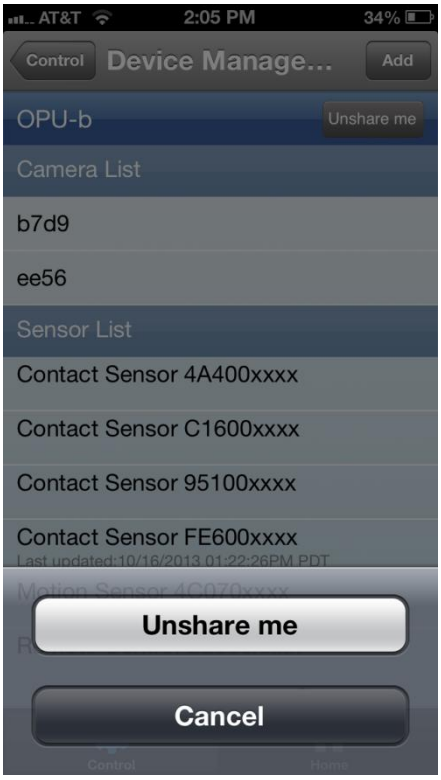


g.)Unshare me

If you have been granted ‘Authorized/Family Users’ privileges to a system and no longer want access, you can remove yourself from the system. The owner will receive a notification that the user has been removed as an ‘Authorized/Family Users’.

1) Go to Control -> Device Management.
2) Next to the name of the system, press on ‘Unshare me’.
3) Press ‘Unshare me’ to confirm or ‘Cancel’ to decline.

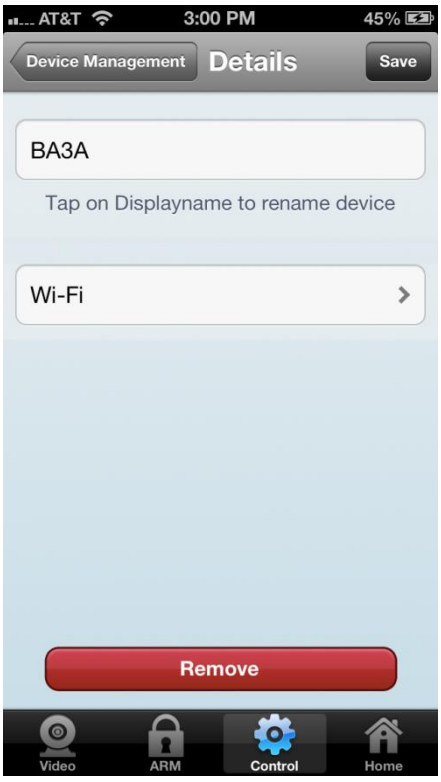




h.)Adding A Wi-Fi Network For The IP Camera

To help the IP Camera get stronger connections, users can set up their IP Camera to be connected directly to another Wi-Fi access point, dependant on signal strength. Access points can be the OPU, the router, or the Wi-Fi Repeater.

1) Go to Control -> Device Management.
2) Select an IP Camera from the Camera List and Tap on 'Wi-Fi'.
3) Select a Wi-Fi Network that you want to join so that the IP Camera will have access.
4) At the 'Add Network' page, enter appropriate login information and press 'Add' to add the network or 'Wi-Fi' to go back to the 'Wi-Fi' page.

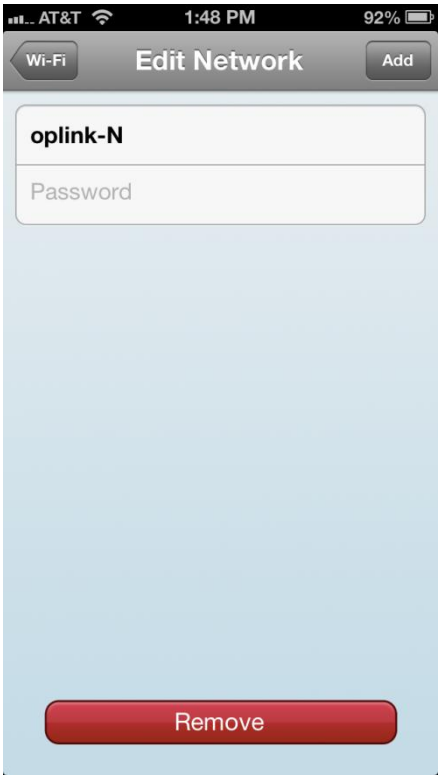


i.) Adding A Wi-Fi Network Afterthoughts

1) Once a Wi-Fi Network has been added, the other cameras in your system can be set up to use it.

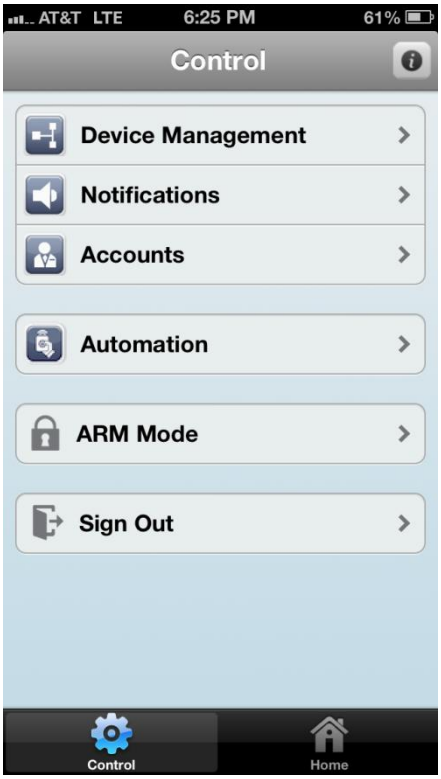
2) When an IP Camera is power-cycled, it will automatically connect to an access point that has the strongest signal.

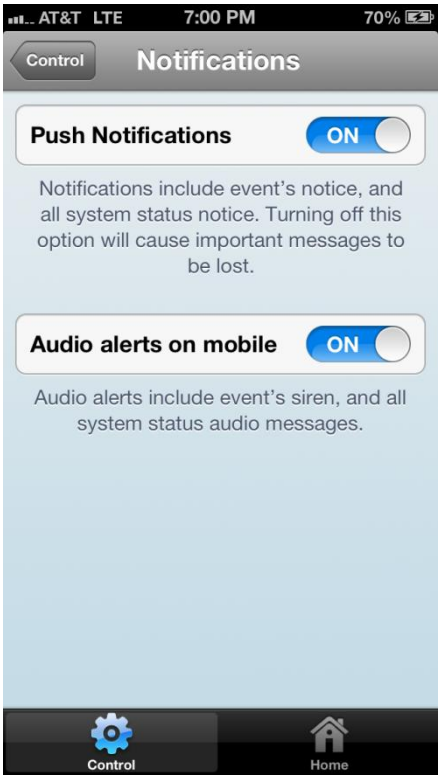
3) To remove a Wi-Fi Network:
   - Control
   - Device Management
   - Select an IP Camera in the Camera List
   - Wi-Fi
   - Select a Wi-Fi Network in the “Select a Previously Added Network” section
   - Remove
   - Remove



Notifications 7

Go to Control -> Notifications





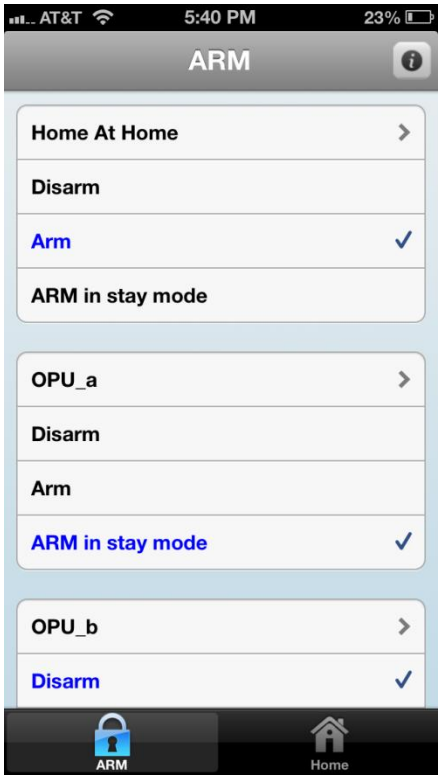
a.) Push Notifications – Notifications include event's notice, and all system status notice. Turning off this option will cause important messages to be lost.

b.) Audio alerts on mobile – Audio alerts include event's siren, and all system status audio messages.

Note: Configuring the Notifications and Alerts in the App does not configure the Notifications and Sound of the smart device. On an iOS device, you should also go into Settings > Notifications > Oplink mi Security.

Armed/Disarmed 8

a.)Arm/Disarm OPU (Location) Or Event

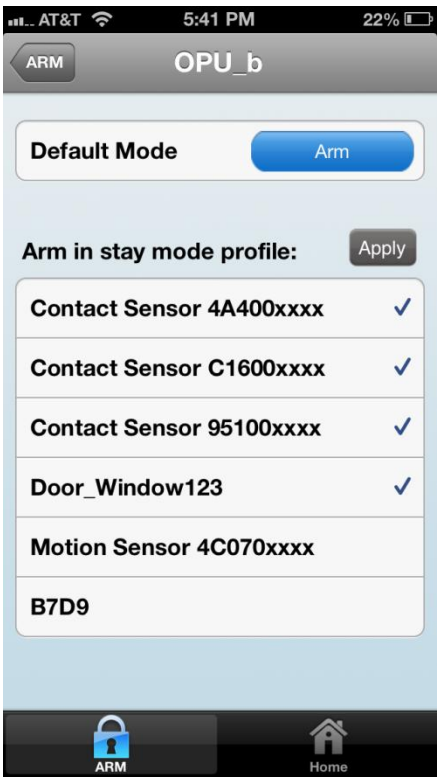


a. Go to Armed/Disarmed -> ARM page.
b. At the ARM page, tap on “Disarm”, “Arm”, or “ARM in stay mode” under the OPU you desire to remotely control.

**Note: The Disarm selection will Acknowledge an Event and Disarm a Location.*

b.)ARM in stay mode

a. This mode can be turned on to protect you while you are at home. The Motion Sensor will be Disarmed automatically, but the Door/Window Sensors will still stay Armed. You can move freely inside the house and be protected from outside intruders.
b. Under the Arm and Disarm option, the ARM in stay mode can be toggled on/off. The ARM in stay mode and the Arm mode cannot be on at the same time. Toggling to one mode will turn off the other.
c. At the ARM page, tapping on an OPU will bring you to a screen where you can set the default arm mode to 'Arm' or 'Arm in stay mode'. You will also be able to choose which sensors are armed when in 'ARM in stay mode'.



Troubleshooting Guide

Symptom	Possible Cause	Solution
App cannot detect any OPU	The smartphone is not on the same network as the OPU.	Connect the smartphone to the same network or scan the QR barcode on the back of the OPU.
App detects more than one non-associated OPU in the same area	Multiple OPU that have not been activated are on the same network.	Scan the QR barcode on the back of the OPU.
Incomplete activation	Some of the devices didn't activate during the activation process.	Scan the QR barcode on each device that hasn't been activated.
Handling video loading time	Some videos may take a longer time to load. Network may be busy.	Video screen will change to a still image with a view button. User taps on the button to reload video.
Call – Error handling	Prefixed Emergency Contact list hasn't been setup.	A message will popup and redirect you to the Control -> Accounts -> Emergency Contacts page to add contacts to the Emergency Contacts list.
Handling concurrent sign in using the same account	Signing in on multiple devices at the same time with the same account.	An account may only be signed into one device at a time.